NUTRITION AND FOOD SCIENCES (NFS)

Courses

NFS 203. Food Microbiology. 3 Credits.
Desirable and undesirable activities of bacteria in foods. Mechanisms of food-borne infection and intoxication. Laboratory methods to enumerate and identify microorganisms associated with food. Prerequisite: NFS 153 or Instructor permission. Co-requisite: NFS 213.

NFS 205. Functional Foods:Prncpl & Tech. 3 Credits.
Examines the constituents that make food products functional and provides laboratory techniques needed to create a functional food. Prerequisites: NFS 153, NFS 154, or Instructor permission.

NFS 223. Nutrition Educ & Counseling. 3 Credits.
Use of appropriate education theory, techniques, and media in nutrition education and counseling theories and negotiation, interviewing and counseling skills in individual and group counseling. Pre/co-requisites: NFS Prerequisites: NFS 043, NFS 053, NFS 054, NFS 143.

NFS 243. Advanced Nutrition. 3 Credits.
Study of nutrients and their specific functions in metabolic process integrating cellular physiology, biochemistry, and nutrition. Prerequisites: NFS 043, ANPS 019, NFS 183 or PBIO 185; minimum Junior standing. Spring.

NFS 244. Nutr in Hlth & Disease Prevntn. 3 Credits.
Examination of dietary planning, nutrition assessment, genetics, drug-nutrient interactions, CAM therapies and nutrition related to health and prevention of disease. Pre/co-requisites: NFS 053, NFS 054, NFS 143; minimum Junior standing. Spring.

NFS 250. Foodservice Systems. 4 Credits.
Emphasis on the foodservice system model for understanding quality control; food procurement, production, and marketing; management and evaluation of foodservice facilities, human and financial resources. Prerequisites: BSAD 060 or CDAE 158; BSAD 120; minimum Junior standing; Dietetics or Nutrition and Food Sciences, and Dietetics, Nutrition and Food Sciences majors only.

NFS 253. Food Regulation. 3 Credits.
Comprehensive examination of U.S. food laws and regulations and their relationships to the safety of the U.S. food supply. Focus on how food-related laws and regulations are enacted and enforced, through detailed examination of selected food regulation topics. Prerequisite: NFS 153 or equivalent course/training with Instructor permission.

NFS 260. Diet and Disease. 3 Credits.
Examination of the physiologic, biochemical, and psychosocial basis of several disease states and the application of medical nutrition therapy in treatment. Prerequisite: NFS 053, NFS 143, NFS 243; Senior standing.

NFS 262. Community Nutrition. 3 Credits.
Study of U.S. public health nutrition policies, programs and practices. Emphasis on community health nutrition program planning including needs assessment, intervention development and evaluation. Prerequisite: Minimum Junior or Graduate standing. Spring.

NFS 263. Nutritional Biochemistry. 3 Credits.
Comprehensive study of metabolism of carbohydrates, lipids, and protein emphasizing diet induced, hormone mediated alterations in metabolism (e.g. starvation and obesity). Prerequisite: NFS 243 or Instructor permission. Spring.

NFS 295. Advanced Special Topics. 1-18 Credits.
Lectures, laboratories, readings, or projects relating to contemporary areas of study. Credits negotiable. Enrollment may be more than once, maximum of twelve hours in NFS 195 and NFS 295 combined. Prerequisite: Department permission.

NFS 296. Internship. 1-18 Credits.
On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion. Prerequisite: Departmental permission.

NFS 310. MSD Journal Club. 1 Credit.
Critical review of current scientific, peer-reviewed literature, student-led facilitated discussions, abstract writing on topics related to nutrition, sustainable food systems, hunger and food insecurity, health promotion, chronic disease prevention and management. Prerequisite: Master of Science in Dietetics students only.

NFS 311. Supervised Practice I. 4 Credits.
Through lecture, discussion, presentations, and practical experience, students develop competencies in clinical dietetics, community nutrition, and food service management. Prerequisite: Master of Science in Dietetics student.

NFS 312. Supervised Practice II. 4 Credits.
Through lecture, discussion, presentations, and practical experience, students develop competencies in clinical dietetics, community nutrition, and food service management. Prerequisite: Master of Science in Dietetics student.

NFS 313. Food Safety and Public Policy. 3 Credits.
An exploration of issues that impact the development of microbiological food safety policy through analysis of how science and risk assessment are used in establishing policy. Prerequisites: NFS 203 or NFS 253 or Instructor permission. Cross-listed with: ANFS 313.

NFS 350. Nutrition&Food Science Seminar. 1 Credit.

NFS 360. Rsch Meth Nutr & Food Sciences. 3 Credits.
Advanced research methods, including grant preparation, IRB requirements, data analysis and presentation, and selected topics in advanced nutritional and food sciences. Pre/Co-requisite: Instructor permission.
NFS 390. Master's Project Research. 3-6 Credits.
Final project under the direction of a graduate faculty mentor.
Prerequisite: Nutrition and Food Sciences non-thesis Graduate Student, Instructor permission.

NFS 391. Master's Thesis Research. 1-18 Credits.
Prerequisite: Master of Science in Dietetics student.

NFS 392. Evidence-based Practice Prjct. 1-2 Credits.
On site identification, review of literature for background and possible solutions, data collection and analysis, and writing and presenting the results and conclusions of a research problem. Prerequisite: NFS 360, Pre/co-requisites: NFS 360, MS D student.

NFS 395. Special Topics. 1-18 Credits.

NFS 396. Advanced Special Topics. 1-18 Credits.